

CLAIMS

1. ~~A medical device support apparatus comprising~~
a telescoping pole assembly including a first member and a second
member movable relative to the first member along an axis in a first direction and a second
direction opposite to the first direction and
a lock member formed to include an edge defining an aperture, the
second member being received in the aperture, the lock member having a first position in
which the edge engages the second member to prevent movement of the second member
relative to the first member in the first direction and the lock member having a second
position in which the edge disengages from the second member so that the second member is
movable along the axis relative to the first member in the first direction and the second
direction.
2. The medical device support of claim 1, wherein the lock member and
axis define a first angle therebetween when the lock member is in the first position and a
second angle that deviates from the first angle when the lock member is in the second
position.
3. The medical device support of claim 1, further comprising a housing
coupled to the telescoping pole assembly, wherein the lock member is positioned in an
interior region of the housing.
4. The medical device support of claim 3, wherein the lock device is
pivotably coupled to the housing.
5. The medical device support of claim 3, further comprising a release
configured to move the lock member between the first and second positions.
6. The medical device support of claim 3, wherein the release is
positioned to slide on the housing during movement of the lock member between the first and
second positions.
7. The medical device support of claim 1, wherein the edge is continuous.
8. The medical device support of claim 1, wherein the lock member is
plate-like.
9. The medical device support of claim 1, wherein the lock member,

when in the first position, allows movement of the second member relative to the first member in the second direction.

10. A medical device support assembly configured to support a medical device thereon, the medical device support assembly comprising
a base pole,
an adjustment pole configured to support the medical device thereon,
and
a lock member coupling the adjustment pole to the base pole, the lock member being moveable between a first position permitting movement of the adjustment pole relative to the base pole and a second position locking the position of the adjustment pole relative to the base pole, the lock member being substantially flat to define a plane.

11. The medical device support assembly of claim 10, wherein the plane defined by the lock member is positioned at a first angle relative to a longitudinal axis of the adjustment pole when the lock member is in the first position and the plane deviates from being positioned at the first angle relative to the longitudinal axis when the lock member is in the second position.

12. The medical device support assembly of claim 10, wherein a force exerted on the adjustment pole in a direction urges the lock member to the first position.

13. The medical device support assembly of claim 12, wherein a force exerted on the adjustment pole in a direction opposite said direction urges the lock member to the second position.

14. The medical device support assembly of claim 10, wherein a force exerted on the adjustment pole urges the lock member to the second position.

15. The medical device support assembly of claim 10, further comprising a release coupled to the lock member and movable between first and second positions, wherein the release, when in the first position, positions the lock member in the first position and the release, when in the second position, positions the lock member in the second position.

16. The medical device support assembly of claim 15, wherein the release is biased to the second position.

17. The medical device support assembly of claim 10, wherein the lock

member is biased to the second position.

18. The medical device support assembly of claim 10, wherein the lock member is plate-like.

19. The medical device support assembly of claim 10, wherein the lock member includes an inner edge defining an aperture through the lock member, the aperture has a central axis that is askew of the longitudinal axis of the adjustment pole when the lock member is in the second position.

20. A medical device support assembly configured to support a medical device thereon, the IV pole assembly comprising

a base pole,

an adjustment pole configured to support the medical device thereon, the adjustment pole having a longitudinal axis, and

a coupling configured to couple the adjustment pole to the base pole, the coupling including a lock member configured to move between first and second positions, the lock member, when in the first position, and the longitudinal axis defining a first angle therebetween, the lock member, when in the second position, and the longitudinal axis of the adjustment pole defining a second angle therebetween that deviates from the first angle, the lock member being configured to permit movement of the adjustment pole relative to the base pole with the lock member in the first position, the lock member being configured to block movement of the adjustment pole relative to the base pole with the lock member in the second position.

21. The medical device support assembly of claim 20, wherein the lock member includes a substantially flat surface defining the first and second angles between the lock member and the longitudinal axis.

22. The medical device support assembly of claim 21, wherein the second angle deviates from 90 degrees.

23. The medical device support assembly of claim 20, wherein the first angle deviates from 90 degrees.

24. The medical device support assembly of claim 20, wherein the lock member is biased to the second position.

Sub ab 25. A medical device support assembly configured to support a medical device thereon, the medical device support assembly comprising

a base pole,

an adjustment pole configured to move relative to the base pole, the adjustment pole having a longitudinal axis, and

a lock member positioned to block relative movement of the adjustment pole and the base pole, the lock member being configured to pivot about a pivot axis between a first position blocking said relative movement and a second position permitting said relative movement, the pivot axis deviating from the longitudinal axis of the adjustment pole.

26. The medical device support assembly of claim 25, further comprising a housing sized to receive the lock member, wherein the lock member is hingedly coupled to the housing.

Sub a7 27. The medical device support assembly of claim 26, wherein the housing includes a groove sized to receive an end of the lock member.

Sub c7 28. The medical device support assembly of claim 26, further comprising a release configured to pivot the lock member between the first and second positions, wherein the lock member is hingedly coupled to the release member.

Sub a8 29. The medical device support assembly of claim 26, further comprising a release configured to pivot the lock member between the first and second positions, wherein the lock member is hingedly coupled to the release member.

30. The medical device support assembly of claim 29, wherein the release includes a notch sized to receive an end of the lock member.

31. A medical support device assembly configured to support a medical device thereon, the medical support device assembly comprising

a base pole,

an adjustment pole configured to support the medical device thereon, the base pole and the adjustment pole cooperating to define a pole assembly length, the adjustment pole being configured to move in a first direction relative to the base pole to decrease the pole assembly length and a second direction relative to the base pole to increase the pole assembly length, and

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a coupling configured to couple the adjustment pole to the base pole to permit the adjustment pole to move in first direction relative to the base pole and an opposite second direction relative to the base pole, the coupling, the base pole, and the adjustment pole being made of corrosion resistant materials to prevent substantial corrosion thereof.

5 32. The medical device support of claim 31, wherein the coupling includes a lock member positioned to engage the adjustment pole to block movement of the adjustment pole relative to the base pole, the lock member being made of a corrosion resistant material.

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10 33. The medical device support of claim 32, wherein the coupling further includes a release positioned to move the lock member between a locked position and an unlocked position permitting movement of the adjustment pole relative to the base pole, wherein the release is made of a corrosion resistant material.

 34. The medical device support assembly of claim 33, wherein the coupling further includes a corrosion resistant spring biasing the release.

15 35. The medical device support assembly of claim 33, wherein the coupling further includes a housing and the lock member is positioned in the housing, the housing being made of a corrosion resistant material.

20 36. The medical device support assembly of claim 32, further comprising a hook coupled to the adjustment pole, wherein the hook being configured to support the medical device thereon and the hook is made of a corrosion resistant material.

 37. The medical device support assembly of claim 33, wherein at least one of the adjustment pole and the base pole are made of a plastics material.

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